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IN THE CLAIMS

This is a complete and current listing of the claims, marked with status identifiers in parentheses. The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A PC arrangement for visualization, diagnosis and expert systems for monitoring and controlling or regulating high-voltage supply units for electrostatic filters~~units (1), having comprising:~~

~~_____ a server PC (2), which is linked by means of via a first network (5) to the units (1), and~~

~~_____ client PCs (4), which forming a second network (9) with the server PC (2) and which are connected to the first network (5) for the purpose of the at least one of data transmission and the data exchange with the units (1) via the server PC (2), wherein~~

~~characterized in that the units (1) are high voltage supply units (1) for electrostatic filters, in that the software structure for the PC arrangement (2, 4) is broken down into autonomous software modules (10, 12, 13, 14, 15), which in each case each realize at least one functionality, and wherein one of the software modules which is in the form of an autonomous server software module (10), which realizes the at least one of data transmission and or the data exchange with the high-voltage supply units (1), and is implemented on the server PC (2) connected to the high-voltage supply units (1) for the electrostatic filter via the first network (5), and wherein it being possible for the further of the software modules are (12, 13, 14, 15) to be implementable on at least one of each client PC and (4) or the server PC (2).~~

2. (Currently Amended) The PC arrangement as claimed in

claim 1, ~~in which~~ wherein the first network ~~(5)~~, which connects the server PC (2) to the high-voltage supply units ~~(1)~~, is ~~in the form of a~~ Profibus network.

3. (Currently Amended) The PC arrangement as claimed in claim 1, ~~in which~~ wherein ~~the first network (5)~~, which connects the server PC ~~(2)~~ to the high-voltage supply units ~~(1)~~, is ~~in the form of an~~ Ethernet network using TCP/IP.

4. (Currently Amended) The PC arrangement as claimed in ~~one of claims 1 to 3~~, ~~in which~~ wherein the second network ~~(9)~~, which connects the server PC ~~(2)~~ to the client PCs ~~(4)~~, is ~~in the form of a standard network, for example in the form of an Ethernet network using TCP/IP protocol.~~

5. (Currently Amended) The PC arrangement as claimed in ~~one of claims 1 to 4~~, ~~in which~~ wherein the server software module ~~(10)~~ implemented on the server PC ~~(2)~~ is ~~in the form of~~ at least one of a DCOM server or and a WinSocket server.

6. (Currently Amended) The PC arrangement as claimed in ~~one of claims 1 to 5~~, ~~in which~~ wherein ~~in each case~~ one group of high-voltage supply units ~~(1)~~ has an associated bus coupler ~~(6)~~.

7. (Currently Amended) The PC arrangement as claimed in claim 6, ~~in which~~ wherein the server software module ~~(10)~~ is designed such that it can be used to categorize a large number of data from controllers of the high-voltage supply units ~~(1)~~ differently, ~~it being possible to cyclically update wherein~~ imaging of measured and status data from the controllers in the server software module is cyclically updatable ~~(10)~~, and ~~wherein~~ as other data, ~~for example parameter data, oscilloscope data, characteristic data and the like, can be~~ is ~~transmitted~~ tableted at the request of one of the client PCs ~~(4)~~.

8. (Currently Amended) The PC arrangement as claimed in

claim 6 ~~or 7~~, ~~in which~~ wherein a connection between the server PC (2) ~~which implements the server software module (10) and the controllers can be started~~ is automatically startable when data from the controllers is requested at one or more client PCs (4).

9. (Currently Amended) The PC arrangement as claimed in claim ~~one of claims 1 to 8~~, ~~in which~~ wherein the functionality "measured data archiving" is realized by an autonomous measured data software module (12).

10. (Currently Amended) The PC arrangement as claimed in claim 9, ~~in which~~ wherein the measured data software module (12) ~~is in the form of at least one of a databank and~~ is in the form of at least one of a databank and data system in which measured ~~and status data can be~~ and status data are archived archivable for a predeterminable period of time.

11. (Currently Amended) The PC arrangement as claimed in ~~one of claims 1 to 10~~, ~~in which~~ wherein the functionalities "visualization, parameter setting, device control" are realized by an autonomous display software module (13).

12. (Currently Amended) The PC arrangement as claimed in claim 11, ~~in which~~ wherein, by ~~means use of~~ use of the display software module (13), ~~it is possible to access data stored in the measured data software module (12) is accessible, to access measured and status data updated in the server software module is accessible (10) and, by means use of the server software module (10), to directly access further data available in the controllers is directly accessible.~~

13. (Currently Amended) The PC arrangement as claimed in claim 11 ~~or 12~~, ~~in which~~ wherein the display software module (13) ~~can be implemented~~ is implementable on two or more client PCs (4) ~~and the server PC (2) simultaneously.~~

14. (Currently Amended) The PC arrangement as claimed in ~~one~~

~~of claims 11 to 13, in which~~wherein the display software module ~~(13) can be is realizabled~~ on different user planes, ~~for example on an operator plane and an expert plane.~~

15. (Currently Amended) The PC arrangement as claimed in ~~one of claims 1 to 14, in which~~wherein the functionality "control of auxiliary drives" is realized by an autonomous control software module ~~(14).~~

16. (Currently Amended) The PC arrangement as claimed in claim 15, ~~in which~~wherein the control software module is adapted to match components of the electrostatic filter, ~~can be matched automatically,~~ to different operating conditions of the electrostatic filter ~~by means of the control software module (14).~~

17. (Currently Amended) The PC arrangement as claimed in ~~one of claims 1 to 16, in which~~wherein the functionality "optimization" is realized by an autonomous optimization software module ~~(15).~~

18. (Currently Amended) The PC arrangement as claimed in claim 17, ~~in which~~wherein, use of by means of the optimization software module ~~(15),~~ is adapted to optimize the operation of the electrostatic filter, ~~can be optimized using as a basis a least one of the efficiency of the electrostatic filter and/or the energy consumption of the electrostatic filter.~~

19. (Currently Amended) The PC arrangement as claimed in claim 17 ~~or 18, in which~~wherein the server software module ~~(10) implemented in the server PC is(2) can be accessibled~~ by ~~means use of~~ the measured data software module ~~(12), the display software module (13), the optimization software module (15) and the control software module (14).~~

20. (Currently Amended) The PC arrangement as claimed in ~~one of claims 1 to 19, in which~~wherein at least one of the data

transmission ~~or~~ and the data exchange, via the server software module, is ~~(10) may be~~ both cyclic and event-controllableed.

21. (New) The PC arrangement as claimed in claim 1, wherein the second network, which connects the server PC to the client PCs, is an Ethernet network using TCP/IP protocol.

22. (New) The PC arrangement as claimed in claim 2, wherein the second network, which connects the server PC to the client PCs, is an Ethernet network using TCP/IP protocol.

23. (New) The PC arrangement as claimed in claim 3, wherein the second network, which connects the server PC to the client PCs, is an Ethernet network using TCP/IP protocol.

24. (New) The PC arrangement as claimed in claim 7, wherein a connection between the server PC which implements the server software module and the controllers is automatically startable when data from the controllers is requested at one or more client PCs.

25. (New) The PC arrangement as claimed in claim 12, wherein the display software module is implementable on two or more client PCs and the server PC simultaneously.

26. (New) The PC arrangement as claimed in claim 12, wherein the display software module is realizable on different user planes.

27. (New) The PC arrangement as claimed in claim 13, wherein the display software module is realizable on different user planes.

28. (New) The PC arrangement as claimed in claim 18, wherein the server software module implemented in the server PC is accessible by use of the measured data software module, the display software module, the optimization software module

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and the control software module.